

This portion of the project involves the initial phase of reconstruction of the existing traffic control signal at the intersection of MD 193 and Metzger Road/ Relocated Point Branch Drive (formerly Azalea Lane) in Prince George's County, Maryland. MD 193 is considered to run in an east/west direction.

The intersection is to be modified to operate in a NEMA six (6) phase, full-traffic-actuated mode. There will be an exclusive left turn phase for both the east and westbound movements of MD 193. The MD 193 through movements will operate concurrently with a concurrent pedestrian movement across the north leg of the intersection. The Metzgerott Road/ Relocated Point Branch Drive will operate in a side street split mode with an actuated pedestrian movement across the west leg of the intersection.

The existing eight phase controller is to be relocated to a new full-traffic-actuated base mounted cabinet with two 4-channel rack mounted time delay output loop detector amplifiers and four video detection cameras.

A. Equipment to be furnished and/or installed by the Contractor.  
All equipment in this list shall have catalog cuts submitted for approval prior to installation.

B. Existing equipment to be removed by the Contractor and delivered to the MDSHA Office of Traffic and Safety, Traffic Operations Division, Traffic Signal Shop, 7491 Connelley Drive, Hanover MD, 21076. A twenty-four (24) hour notice is required prior to delivery. Please contact Mr. Ed Rodenhizer at (410) 787-7850.

Quantity	Units	Description
1	EA	Base mounted cabinet.

Note. All equipment and/or material not listed above shall become the property of the Contractor.

1 2 3 4 5 6 7 8 9 10 11 12 13 15,16 17-20










Phase 1 & 5	←G—	←G—	R	R	←G—	←G—	R	R	R	R	R	R	R	R	DW	DW	
1 & 5 Change to Phase 1 & 6 or Phase 2 & 5 or Phase 2 & 6																	
Phase 1 & 6	←G—	←G—	G	G	←R—	←R—	R	R	R	R	R	R	R	R	DW	DW	
1 Change	←Y—	←Y—	G	G	←R—	←R—	R	R	R	R	R	R	R	R	DW	DW	
Phase 2 & 5	←R—	←R—	R	R	←G—	←G—	G	G	R	R	R	R	R	R	DW	DW	
5 Change	←R—	←R—	R	R	←Y—	←Y—	G	G	R	R	R	R	R	R	DW	DW	
Phase 2 & 6	←R—	←R—	G	G	←R—	←R—	G	G	R	R	R	R	R	R	WK	DW	
Pad Clearance	←R—	←R—	G	G	←R—	←R—	G	G	R	R	R	R	R	R	FL/DW	DW	
2 & 6 Change	←R—	←R—	Y	Y	←R—	←R—	Y	Y	R	R	R	R	R	R	DW	DW	
Phase 3	←R—	←R—	R	R	←R—	←R—	R	R	←G—	←G—	G	R	R	R	DW	DW	
3 Change	←R—	←R—	R	R	←R—	←R—	R	R	Y	Y	Y	R	R	R	DW	DW	
Phase Alt 3	←R—	←R—	R	R	←R—	←R—	R	R	←G—	←G—	G	R	R	R	DW	WK	
Pad Clearance	←R—	←R—	R	R	←R—	←R—	R	R	←G—	←G—	G	R	R	R	DW	FL/DW	
Alt 3 Change	←R—	←R—	R	R	←R—	←R—	R	R	Y	Y	Y	R	R	R	DW	DW	
Phase 4	←R—	←R—	R	R	←R—	←R—	R	R	R	R	R	←G—	G	DW	DW		
4 Change	←R—	←R—	R	R	←R—	←R—	R	R	R	R	R	←Y—	Y	DW	DW		
Flashing Operation	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	

Diagram illustrating the proposed underground electrical service layout, showing various cables, conductors, and components.

**Legend:**

- W } 2-Conductor Tray Cable (No. 12 A.W.G.)
- X } 2-Conductor Electrical Cable (No. 14 A.W.G.)
- Y } 2-Conductor Electrical Cable (No. 14 A.W.G.)
- Z } 3-Conductor Electrical Cable (No. 14 A.W.G.)
- b } 5-Conductor Electrical Cable (No. 14 A.W.G.)
- c } 7-Conductor Electrical Cable (No. 14 A.W.G.)
- d } Bare Copper Ground Wire (No. 6 A.W.G.)
- e } 3-Wire (No. 4 A.W.G.) for Traffic Signal Electrical Service
- f } 12-Pair Voice Grade Telemetry Interconnect Cable (No. 19 A.W.G.) (Stadium Dr. - Metzgeroff Rd./Prop. Paint Branch Dr. Run)
- g } Loop Detector Wire (No. 14 A.W.G.) in Flexible Tubing
- h } Micro-loop Detector
- n } Proposed Underground Electrical Service By PEPCO
- o } Proposed Grounding Rod
- p } Proposed Grounding Rod
- q } Proposed Grounding Rod
- r } Proposed Grounding Rod
- s } Proposed Grounding Rod
- t } Proposed Grounding Rod
- LW } Loop Detector Wire (No. 14 A.W.G.) in Flexible Tubing
- ML } Micro-loop Detector
- PF } Proposed Underground Electrical Service By PEPCO
- ✕ } Proposed Grounding Rod

The contact persons for District #3 are as follows:

Mr. Charles Watkins  
District Engineer  
301-513-7311

Mr. Majib Shohib  
Assistant District Engineer - Traffic  
301-513-7358

Mr. John O. Warnick  
Assistant District Engineer - Utility  
310-513-7336

Mr. Randy Brown  
Assistant District Engineer - Maintenance  
301-513-7304

Mr. Richard L. Daff  
Chief Traffic Operations Division  
410-787-7630

The Power Company Representative is:  
PERCO  
8300 Old Marlboro Pike  
Upper Marlboro, Maryland 20722  
310-670-8740

